

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1047	501/66,67,68,69,70.ccls. and (SiO2 or "SiO.sub.2" or SiO2 or "SiO.sub.2" or silica or silicon or quartz) and (Al2O3 or "Al.sub.2 O.sub.3" or "Al.sub.2O.sub.3" or Al2O3 or "Al.sub.2 O.sub.3" or "Al.sub.2O.sub.3" or alumina or aluminum) and (B2O3 or "B.sub.2 O.sub.3" or "B.sub.2O.sub.3" or B2O3 or "B.sub.2 O.sub.3" or "B. sub.2O.sub.3" or boron or borio or boro or boron) and ((Na2O or "Na.sub.2 O" or "Na.sub.2O" or Na2O or "Na. sub.2 O" or "Na.sub.2O" or sodo or soda or sodium) or (K2O or "K.sub.2 O" or "K. sub.2O" or K2O or "K.sub.2 O" or "K.sub.2O" or potash or potassium) or (Li2O or "Li. sub.2 O" or "Li.sub.2O" or Li2O or "Li.sub.2 O" or "Li. sub.2O" or Lithia or lithium)) and ((TiO2 or "TiO.sub.2" or TiO2 or "TiO.sub.2" or titania or titanium) or (ZrO2 or "ZrO.sub.2" or ZrO2 or "ZrO.sub.2" or zirconium or zirconia) or ("Ln.sub.2 O. sub.3" or "Ln.sub.2 O. sub.3") or (Y2O3 or "Y.sub.2 O.sub.3" or "Y.sub.2 O. sub.3" or Y2O3 or "Y.sub.2 O. sub.3" or "Y.sub.2O.sub.3" or yttria or yttrium) or (Nb2O5 or "Nb.sub.2 O. sub.5" or "Nb.sub.2O.sub.5" or Nb2O5 or "Nb.sub.2 O. sub.5" or "Nb.sub.2O.sub.5" or niobia or niobium) or (Ta2O5 or "Ta.sub.2 O. sub.5" or "Ta.sub.2O.sub.5" or Ta2O5 or "Ta.sub.2 O. sub.5" or "Ta.sub.2O.sub.5" or tantalum))	US-PGPUB; USPAT	OR	ON	2008/10/08 10:26

L2	1595	501/66,67,68,69,70.ccls. and (SiO <sub>2</sub> or "SiO.sub.2" or SiO <sub>2</sub> or "SiO.sub.2" or silica or silicon or quartz) and (Al <sub>2</sub> O <sub>3</sub> or "Al.sub.2 O.sub.3" or "Al.sub.2O.sub.3" or Al <sub>2</sub> O <sub>3</sub> or "Al.sub.2 O.sub.3" or "Al.sub.2O.sub.3" or alumina or aluminum) and ((Na <sub>2</sub> O or "Na.sub.2 O" or "Na.sub.2O" or Na <sub>2</sub> O or "Na.sub.2 O" or "Na.sub.2O" or sodo or soda or sodium) or (K <sub>2</sub> O or "K.sub.2 O" or "K.sub.2O" or K <sub>2</sub> O or "K.sub.2 O" or "K.sub.2O" or potash or potassium) or (Li <sub>2</sub> O or "Li.sub.2 O" or "Li.sub.2O" or Li <sub>2</sub> O or "Li.sub.2 O" or "Li.sub.2O" or Lithia or lithium))	US-PGPUB; USPAT	OR	ON	2008/10/08 10:26
L3	417	501/66,67,68,69,70.ccls. and (SiO <sub>2</sub> or "SiO.sub.2" or SiO <sub>2</sub> or "SiO.sub.2" or silica or silicon or quartz) and (Al <sub>2</sub> O <sub>3</sub> or "Al.sub.2 O.sub.3" or "Al.sub.2O.sub.3" or Al <sub>2</sub> O <sub>3</sub> or "Al.sub.2 O.sub.3" or "Al.sub.2O.sub.3" or alumina or aluminum) and (B <sub>2</sub> O <sub>3</sub> or "B.sub.2 O.sub.3" or "B.sub.2O.sub.3" or B <sub>2</sub> O <sub>3</sub> or "B.sub.2 O.sub.3" or "B.sub.2O.sub.3" or boron or borio or boro or boron) and ((Na <sub>2</sub> O or "Na.sub.2 O" or "Na.sub.2O" or Na <sub>2</sub> O or "Na.sub.2 O" or "Na.sub.2O" or sodo or soda or sodium) or (K <sub>2</sub> O or "K.sub.2 O" or "K.sub.2O" or K <sub>2</sub> O or "K.sub.2 O" or "K.sub.2O" or potash or potassium) or (Li <sub>2</sub> O or "Li.sub.2 O" or "Li.sub.2O" or Li <sub>2</sub> O or "Li.sub.2 O" or "Li.sub.2O" or Lithia or lithium)) and ((TiO <sub>2</sub> or "TiO.sub.2" or TiO <sub>2</sub> or "TiO.sub.2" or titania or titanium) or (ZrO <sub>2</sub> or "ZrO.sub.2" or ZrO <sub>2</sub> or "ZrO.sub.2" or zirconium or zirconia) or ("Ln.sub.2 O.sub.3" or "Ln.sub.2 O.sub.3") or (Y <sub>2</sub> O <sub>3</sub> or "Y.sub.2 O.sub.3" or "Y.sub.2 O.sub.3" or Y <sub>2</sub> O <sub>3</sub> or "Y.sub.2 O.sub.3" or "Y.sub.2O.sub.3" or Y <sub>2</sub> O <sub>3</sub> or "Y.sub.2O.sub.3"	US-PGPUB; USPAT	OR	ON	2008/10/08 10:26

		or yttria or yttrium) or (Nb <sub>2</sub> O <sub>5</sub> or "Nb.sub.2 O.sub.5" or "Nb.sub.2O.sub.5" or Nb <sub>2</sub> O <sub>5</sub> or "Nb.sub.2 O.sub.5" or "Nb.sub.2O.sub.5" or niobia or niobium) or (Ta <sub>2</sub> O <sub>5</sub> or "Ta.sub.2 O.sub.5" or "Ta.sub.2O.sub.5" or Ta <sub>2</sub> O <sub>5</sub> or "Ta.sub.2 O.sub.5" or "Ta.sub.2O.sub.5" or tantalum)) and substrate				
L4	54	501/66,67,68,69,70.ccls. and (SiO <sub>2</sub> or "SiO.sub.2" or SiO <sub>2</sub> or "SiO.sub.2" or silica or silicon or quartz) and (Al <sub>2</sub> O <sub>3</sub> or "Al.sub.2 O.sub.3" or "Al.sub.2O.sub.3" or Al <sub>2</sub> O <sub>3</sub> or "Al.sub.2 O.sub.3" or "Al.sub.2O.sub.3" or alumina or aluminum) and (B <sub>2</sub> O <sub>3</sub> or "B.sub.2 O.sub.3" or "B.sub.2O.sub.3" or B <sub>2</sub> O <sub>3</sub> or "B.sub.2 O.sub.3" or "B.sub.2O.sub.3" or boron or borio or boro or boron) and ((Na <sub>2</sub> O or "Na.sub.2 O" or "Na.sub.2O" or Na <sub>2</sub> O or "Na.sub.2 O" or "Na.sub.2O" or sodo or soda or sodium) or (K <sub>2</sub> O or "K.sub.2 O" or "K.sub.2O" or K <sub>2</sub> O or "K.sub.2 O" or "K.sub.2O" or potash or potassium) or (Li <sub>2</sub> O or "Li.sub.2 O" or "Li.sub.2O" or Li <sub>2</sub> O or "Li.sub.2 O" or "Li.sub.2O" or Lithia or lithium)) and ((TiO <sub>2</sub> or "TiO.sub.2" or TiO <sub>2</sub> or "TiO.sub.2" or titania or titanium) or (ZrO <sub>2</sub> or "ZrO.sub.2" or ZrO <sub>2</sub> or "ZrO.sub.2" or zirconium or zirconia) or ("Ln.sub.2 O.sub.3" or "Ln.sub.2 O.sub.3") or (Y <sub>2</sub> O <sub>3</sub> or "Y.sub.2 O.sub.3" or "Y.sub.2 O.sub.3" or Y <sub>2</sub> O <sub>3</sub> or "Y.sub.2 O.sub.3" or "Y.sub.2O.sub.3" or yttria or yttrium) or (Nb <sub>2</sub> O <sub>5</sub> or "Nb.sub.2 O.sub.5" or "Nb.sub.2O.sub.5" or Nb <sub>2</sub> O <sub>5</sub> or "Nb.sub.2 O.sub.5" or "Nb.sub.2O.sub.5" or niobia or niobium) or (Ta <sub>2</sub> O <sub>5</sub> or "Ta.sub.2 O.sub.5" or "Ta.sub.2O.sub.5" or Ta <sub>2</sub> O <sub>5</sub> or "Ta.sub.2 O.	US-PGPUB; USPAT	OR	ON	2008/10/08 10:26

		sub.5" or "Ta.sub.20.sub.5" or tantalum)) and (chemically adj strengthened)				
L5	54	501/66,67,68,69,70.ccls. and (SiO2 or "SiO.sub.2" or SiO2 or "Si0.sub.2" or silica or silicon or quartz) and (Al2O3 or "Al.sub.2 O.sub.3" or "Al.sub.2O.sub.3" or Al2O3 or "Al.sub.2 0.sub.3" or "Al.sub.20.sub.3" or alumina or aluminum) and (B2O3 or "B.sub.2 O.sub.3" or "B.sub.2O.sub.3" or B2O3 or "B.sub.2 0.sub.3" or "B. sub.20.sub.3" or boron or borio or boro or boron) and ((Na2O or "Na.sub.2 O" or "Na.sub.2O" or Na2O or "Na. sub.2 0" or "Na.sub.20" or sodo or soda or sodium) or (K2O or "K.sub.2 O" or "K. sub.2O" or K2O or "K.sub.2 0" or "K.sub.20" or potash or potassium) or (Li2O or "Li. sub.2 O" or "Li.sub.2O" or Li2O or "Li.sub.2 0" or "Li. sub.20" or Lithia or lithium)) and ((TiO2 or "TiO.sub.2" or TiO2 or "Ti0.sub.2" or titania or titanium) or (ZrO2 or "'ZrO.sub.2'" or ZrO2 or "'Zr0.sub.2'" or zirconium or zirconia) or ("Ln.sub.2 0. sub.3" or "Ln.sub.2 O. sub.3") or (Y2O3 or "Y.sub.2 O.sub.3" or "Y.sub.2 O. sub.3" or Y2O3 or "Y.sub.2 0. sub.3" or "Y.sub.20.sub.3" or yttria or yttrium) or (Nb2O5 or "Nb.sub.2 O. sub.5" or "Nb.sub.2O.sub.5" or Nb2O5 or "Nb.sub.2 0. sub.5" or "Nb.sub.20.sub.5" or niobia or niobium) or (Ta2O5 or "Ta.sub.2 O. sub.5" or "Ta.sub.2O.sub.5" or Ta2O5 or "Ta.sub.2 0. sub.5" or "Ta.sub.20.sub.5" or tantalum)) and (chemically adj strength\$5)	US-PGPUB; USPAT	OR	ON	2008/10/08 10:26
L6	137	kawai-hideki.in.	US-PGPUB; USPAT	OR	ON	2008/10/08 10:26

L7	92	kawai-hideki.in. and glass	US-PGPUB; USPAT	OR	ON	2008/10/08 10:26
L8	1	"6908807".pn.	US-PGPUB; USPAT	OR	ON	2008/10/08 10:26
L9	1	"6908870".pn.	US-PGPUB; USPAT	OR	ON	2008/10/08 10:26
L10	74	kawai-hideki.in. and glass and (chemical\$4 near4 strength\$5)	US-PGPUB; USPAT	OR	ON	2008/10/08 10:26
L11	54	501/66,67,68,69,70.ccls. and (SiO2 or "SiO.sub.2" or SiO2 or "SiO.sub.2" or silica or silicon or quartz) and (Al2O3 or "Al.sub.2 O.sub.3" or "Al.sub.2O.sub.3" or Al2O3 or "Al.sub.2 O.sub.3" or "Al.sub.2O.sub.3" or alumina or aluminum) and (B2O3 or "B.sub.2 O.sub.3" or "B.sub.2O.sub.3" or B2O3 or "B.sub.2 O.sub.3" or "B. sub.2O.sub.3" or boron or borio or boro or boron) and ((Na2O or "Na.sub.2 O" or "Na.sub.2O" or Na2O or "Na. sub.2 O" or "Na.sub.2O" or sodo or soda or sodium) or (K2O or "K.sub.2 O" or "K. sub.2O" or K2O or "K.sub.2 O" or "K.sub.2O" or potash or potassium) or (Li2O or "Li. sub.2 O" or "Li.sub.2O" or Li2O or "Li.sub.2 O" or "Li. sub.2O" or Lithia or lithium)) and ((TiO2 or "TiO.sub.2" or TiO2 or "TiO.sub.2" or titania or titanium) or (ZrO2 or "ZrO.sub.2" or ZrO2 or "ZrO.sub.2" or zirconium or zirconia) or ("Ln.sub.2 O. sub.3" or "Ln.sub.2 O. sub.3") or (Y2O3 or "Y.sub.2 O.sub.3" or "Y.sub.2 O. sub.3" or Y2O3 or "Y.sub.2 O. sub.3" or "Y.sub.2O.sub.3" or yttria or yttrium) or (Nb2O5 or "Nb.sub.2 O. sub.5" or "Nb.sub.2O.sub.5" or Nb2O5 or "Nb.sub.2 O. sub.5" or "Nb.sub.2O.sub.5" or niobia or niobium) or (Ta2O5 or "Ta.sub.2 O. sub.5" or "Ta.sub.2O.sub.5" or Ta2O5 or "Ta.sub.2 O. sub.5" or "Ta.sub.2O.sub.5"	US-PGPUB; USPAT	OR	ON	2008/10/08 10:27

		or tantalum)) and (chemically adj strengthened)				
L12	4	glass and (SiO <sub>2</sub> or "SiO.sub.2" or SiO <sub>2</sub> or "SiO.sub.2" or silica or silicon or quartz) and (Al <sub>2</sub> O <sub>3</sub> or "Al.sub.2 O.sub.3" or "Al.sub.2O.sub.3" or Al <sub>2</sub> O <sub>3</sub> or "Al.sub.2 O.sub.3" or "Al.sub.2O.sub.3" or alumina or aluminum) and (B <sub>2</sub> O <sub>3</sub> or "B.sub.2 O.sub.3" or "B.sub.2O.sub.3" or B <sub>2</sub> O <sub>3</sub> or "B.sub.2 O.sub.3" or "B.sub.2O.sub.3" or boron or borio or boro or boron) and ((Na <sub>2</sub> O or "Na.sub.2 O" or "Na.sub.2O" or Na <sub>2</sub> O or "Na.sub.2 O" or "Na.sub.2O" or sodo or soda or sodium) or (K <sub>2</sub> O or "K.sub.2 O" or "K.sub.2O" or K <sub>2</sub> O or "K.sub.2 O" or "K.sub.2O" or potash or potassium) or (Li <sub>2</sub> O or "Li.sub.2 O" or "Li.sub.2O" or Li <sub>2</sub> O or "Li.sub.2 O" or "Li.sub.2O" or Lithia or lithium)) and (chemically adj strengthened) and substrate	EPO; JPO; DERWENT	OR	ON	2008/10/08 10:27
L13	7	glass and (SiO <sub>2</sub> or "SiO.sub.2" or SiO <sub>2</sub> or "SiO.sub.2" or silica or silicon or quartz) and (Al <sub>2</sub> O <sub>3</sub> or "Al.sub.2 O.sub.3" or "Al.sub.2O.sub.3" or Al <sub>2</sub> O <sub>3</sub> or "Al.sub.2 O.sub.3" or "Al.sub.2O.sub.3" or alumina or aluminum) and (B <sub>2</sub> O <sub>3</sub> or "B.sub.2 O.sub.3" or "B.sub.2O.sub.3" or B <sub>2</sub> O <sub>3</sub> or "B.sub.2 O.sub.3" or "B.sub.2O.sub.3" or boron or borio or boro or boron) and ((Na <sub>2</sub> O or "Na.sub.2 O" or "Na.sub.2O" or Na <sub>2</sub> O or "Na.sub.2 O" or "Na.sub.2O" or sodo or soda or sodium) or (K <sub>2</sub> O or "K.sub.2 O" or "K.sub.2O" or K <sub>2</sub> O or "K.sub.2 O" or "K.sub.2O" or potash or potassium) or (Li <sub>2</sub> O or "Li.sub.2 O" or "Li.sub.2O" or Li <sub>2</sub> O or "Li.sub.2 O" or "Li.sub.2O" or Lithia or lithium)) and (chemical\$5 adj strength \$5) and substrate	EPO; JPO; DERWENT	OR	ON	2008/10/08 10:27

L14	131	501/66,67,68,69,70.ccls. and (SiO2 or "SiO.sub.2" or silica or silicon or quartz) and (Al2O3 or "Al.sub.2 O.sub.3" or "Al.sub.2O.sub.3" or Al2O3 or "Al.sub.2 O.sub.3" or "Al.sub.2O.sub.3" or alumina or aluminum) and (B2O3 or "B.sub.2 O.sub.3" or "B.sub.2O.sub.3" or B2O3 or "B.sub.2 O.sub.3" or "B. sub.2O.sub.3" or boron or borio or boro or boron) and ((Na2O or "Na.sub.2 O" or "Na.sub.2O" or Na2O or "Na. sub.2 O" or "Na.sub.2O" or sodo or soda or sodium) or (K2O or "K.sub.2 O" or "K. sub.2O" or K2O or "K.sub.2 O" or "K.sub.2O" or potash or potassium) or (Li2O or "Li. sub.2 O" or "Li.sub.2O" or Li2O or "Li.sub.2 O" or "Li. sub.2O" or Lithia or lithium)) and ((TiO2 or "TiO.sub.2" or TiO2 or "TiO.sub.2" or titania or titanium) or (ZrO2 or "ZrO.sub.2" or ZrO2 or "ZrO.sub.2" or zirconium or zirconia) or ("Ln.sub.2 O. sub.3" or "Ln.sub.2 O. sub.3") or (Y2O3 or "Y.sub.2 O.sub.3" or "Y.sub.2 O. sub.3" or Y2O3 or "Y.sub.2 O. sub.3" or "Y.sub.2O.sub.3" or yttria or yttrium) or (Nb2O5 or "Nb.sub.2 O. sub.5" or "Nb.sub.2O.sub.5" or Nb2O5 or "Nb.sub.2 O. sub.5" or "Nb.sub.2O.sub.5" or niobia or niobium) or (Ta2O5 or "Ta.sub.2 O. sub.5" or "Ta.sub.2O.sub.5" or Ta2O5 or "Ta.sub.2 O. sub.5" or "Ta.sub.2O.sub.5" or tantalum)) and (chemical \$5 near2 strength\$5)	US-PGPUB; USPAT	OR	ON	2008/10/08 10:27
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L15	73	501/66,67,68,69,70.ccls. and (SiO <sub>2</sub> or "SiO.sub.2" or SiO <sub>2</sub> or "SiO.sub.2" or silica or silicon or quartz) and (Al <sub>2</sub> O <sub>3</sub> or "Al.sub.2 O.sub.3" or "Al.sub.2O.sub.3" or Al <sub>2</sub> O <sub>3</sub> or "Al.sub.2 O.sub.3" or "Al.sub.2O.sub.3" or alumina or aluminum) and (B <sub>2</sub> O <sub>3</sub> or "B.sub.2 O.sub.3" or "B.sub.2O.sub.3" or B <sub>2</sub> O <sub>3</sub> or "B.sub.2 O.sub.3" or "B.sub.2O.sub.3" or boron or borio or boro or boron) and ((Na <sub>2</sub> O or "Na.sub.2 O" or "Na.sub.2O" or Na <sub>2</sub> O or "Na.sub.2 O" or "Na.sub.2O" or sodo or soda or sodium) or (K <sub>2</sub> O or "K.sub.2 O" or "K.sub.2O" or K <sub>2</sub> O or "K.sub.2 O" or "K.sub.2O" or potash or potassium) or (Li <sub>2</sub> O or "Li.sub.2 O" or "Li.sub.2O" or Li <sub>2</sub> O or "Li.sub.2 O" or "Li.sub.2O" or Lithia or lithium)) and ((TiO <sub>2</sub> or "TiO.sub.2" or TiO <sub>2</sub> or "TiO.sub.2" or titania or titanium) or (ZrO <sub>2</sub> or "ZrO.sub.2" or ZrO <sub>2</sub> or "ZrO.sub.2" or zirconium or zirconia) or ("Ln.sub.2 O.sub.3" or "Ln.sub.2 O.sub.3") or (Y <sub>2</sub> O <sub>3</sub> or "Y.sub.2 O.sub.3" or "Y.sub.2 O.sub.3" or Y <sub>2</sub> O <sub>3</sub> or "Y.sub.2 O.sub.3" or "Y.sub.2O.sub.3" or yttria or yttrium) or (Nb <sub>2</sub> O <sub>5</sub> or "Nb.sub.2 O.sub.5" or "Nb.sub.2O.sub.5" or Nb <sub>2</sub> O <sub>5</sub> or "Nb.sub.2 O.sub.5" or "Nb.sub.2O.sub.5" or niobia or niobium) or (Ta <sub>2</sub> O <sub>5</sub> or "Ta.sub.2 O.sub.5" or "Ta.sub.2O.sub.5" or Ta <sub>2</sub> O <sub>5</sub> or "Ta.sub.2 O.sub.5" or "Ta.sub.2O.sub.5" or tantalum)) and (chemical \$5 near2 strength\$5) and substrate	US-PGPUB; USPAT	OR	ON	2008/10/08 10:28
L16	77	L14 not L5	US-PGPUB; USPAT	OR	ON	2008/10/08 10:28
L17	49	L15 not L5	US-PGPUB; USPAT	OR	ON	2008/10/08 10:28
L18	28	L16 not L17	US-PGPUB; USPAT	OR	ON	2008/10/08 10:28



L19	1	"5938999".pn.	US-PGPUB; USPAT	OR	ON	2008/10/08 10:28
L20	1	"20040018933".pn.	US-PGPUB; USPAT	OR	ON	2008/10/08 10:28
L21	243	chemically near3 strength\$5 and glass and (substrateor disk or disc) and edge	US-PGPUB; USPAT	OR	ON	2008/10/08 10:28
L22	117	chemically near3 strength\$5 and glass and (substrateor disk or disc) and (edge near5 (inner or outer))	US-PGPUB; USPAT	OR	ON	2008/10/08 10:29

10/ 8/ 2008 10:34:24 AM

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